

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/010736A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G06F17/00 H01J49/00 H03M7/30

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G06F H01J H03M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 995 989 A (GEDCKE ET AL) 30 November 1999 (1999-11-30) column 1, line 44 - line 47 column 3, line 19 - line 39 column 4, line 54 - column 5, line 29 column 5, line 51 - line 57 column 7, line 30 - line 57 column 8, line 4 - line 6 column 9, line 29 - line 41	1-5, 8-13, 15, 16, 19-21, 23, 26-29
A	US 5 592 402 A (BEEBE ET AL) 7 January 1997 (1997-01-07) figure 1 column 7, line 22 - column 8, line 49	1, 19-22, 26-29

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

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Date of the actual completion of the International search

18 July 2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 449 584 B1 (BERTRAND MICHEL J ET AL) 10 September 2002 (2002-09-10) column 3, line 8 - line 26 column 6, line 2 - line 55 column 7, line 13 - line 20 column 9, line 37 - line 44	1, 19, 26-29
A	US 4 875 169 A (SYNOVEC ET AL) 17 October 1989 (1989-10-17) column 10, line 9 - column 11, line 46	1, 19, 26-29
A	LAM R B ET AL: "CLIPPED FOURIER TRANSFORM MASS SPECTRAL COMPRESSION ALGORITHM FOR MICROCOMPUTER-COMPATIBLE SEARCH SYSTEMS" ANALYTICAL CHEMISTRY, AMERICAN CHEMICAL SOCIETY. COLUMBUS, US, vol. 53, no. 11, September 1981 (1981-09), pages 1679-1684, XP000716114 ISSN: 0003-2700 the whole document	1, 11, 19, 26-29
A	US 5 175 430 A (ENKE ET AL) 29 December 1992 (1992-12-29)	1, 12, 17-19, 26-29
	figure w	
A	S.L.GROTH: "Computer identification of mass spectra using highly compressed spectral codes" ANALYTICAL CHEMISTRY, vol. 45, no. 1, January 1973 (1973-01), pages 2-6, XP002336498 the whole document	1, 15, 19, 26-29
A	D.A. HANNA: "FTMS noise characterization" PROC. ASMS 33RD ANNUAL CONFERENCE ON MASS SPECTROMETRY AND ALLIED TOPICS, May 1985 (1985-05), pages 435-436, XP002336499 san diego, california, USA cited in the application the whole document	

INTERNATIONAL SEARCH REPORT
Information on patent family members

 International Application No
 PCT/EP2004/010736

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 5995989	A	30-11-1999	NONE		
US 5592402	A	07-01-1997	CA EP JP WO	2133412 A1 0636261 A1 8500898 T 9321592 A1	28-10-1993 01-02-1995 30-01-1996 28-10-1993
US 6449584	B1	10-09-2002	AU WO CA EP	1261001 A 0135266 A2 2388842 A1 1232449 A2	06-06-2001 17-05-2001 17-05-2001 21-08-2002
US 4875169	A	17-10-1989	NONE		
US 5175430	A	29-12-1992	AT DE DE EP JP JP WO	186985 T 69230333 D1 69230333 T2 0540720 A1 3091866 B2 6500181 T 9220435 A1	15-12-1999 30-12-1999 24-08-2000 12-05-1993 25-09-2000 06-01-1994 26-11-1992